

ABSTRACT

❖ Electrical discharge machining (EDM) is a non-conventional machining process used to manufacture intricate profiles, complex shapes, process hard materials that are extremely difficult to machine by conventional machining processes. Electrical discharge machining (EDM) is one of the extensively used nonconventional material removal processes. . In this experimental an attempt to be made find the machinability of aluminium metal matrix composite using electrical discharge machining with Copper, Brass, Graphite and composite electrode (Al 90% + 10% Ni) . Particularly output response was mainly depending on the pulse on time for the maximum output Response. The major Contribution of Surface Roughness -39% influenced with pulse on time and Machining Timing - 46% influenced with pulse on time and Material Removal rate mainly influenced with pulse off time 46 % of the EN8 steel.

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